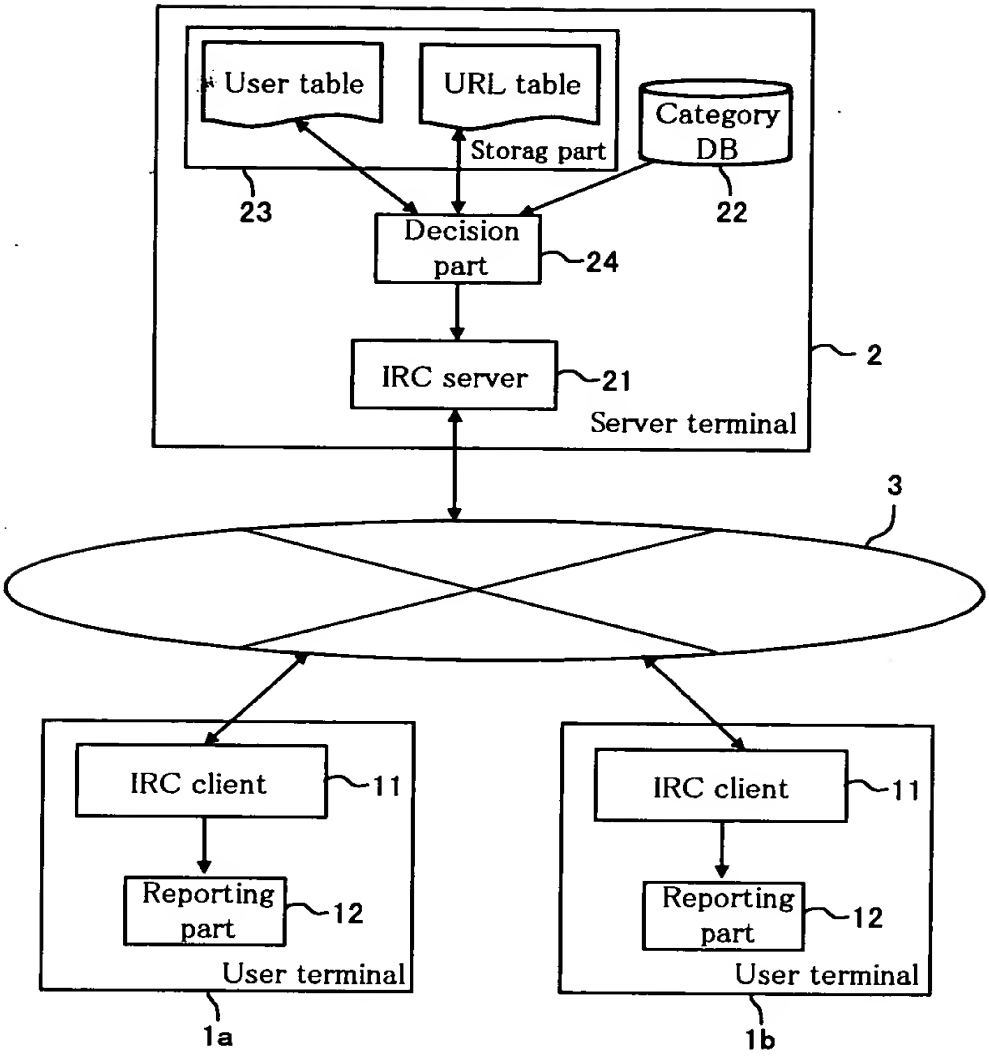
User table
URL table
Storag part
Category DB
23
22
Decision part
24
IRC server
21
2
Server terminal
3
IRC client
11
Reporting part
12
User terminal
1a
IRC client
11
Reporting part
12
User terminal
1b

Fig.1

URL	Computers	Education	Economy	Politics	Sports
URL1	5	0	2	0	0
URL2	1	0	5	0	0
URL3	0	5	1	1	1
⋮	⋮	⋮	⋮	⋮	⋮

Fig.2

Channel Name	User Name	Entry/Exit Time	Message Volume
#CHOCOA	MUL	1999/10/26 10:54:50	14
	Pine	1999/10/26 12:01:52	5
	⋮	⋮	⋮

Fig.3

Channel Name	URL	Message Sender	Time Message Sent	No. of Message	URL Characteristics				
					Computers	Education	Economy	Politics	Sports
#CHOCOA	URL1	MUL	1999/10/26 17:21:24	6	5	0	2	0	0
	URL2	Pine	1999/10/26 17:18:36	1	1	0	5	0	1

Fig.4

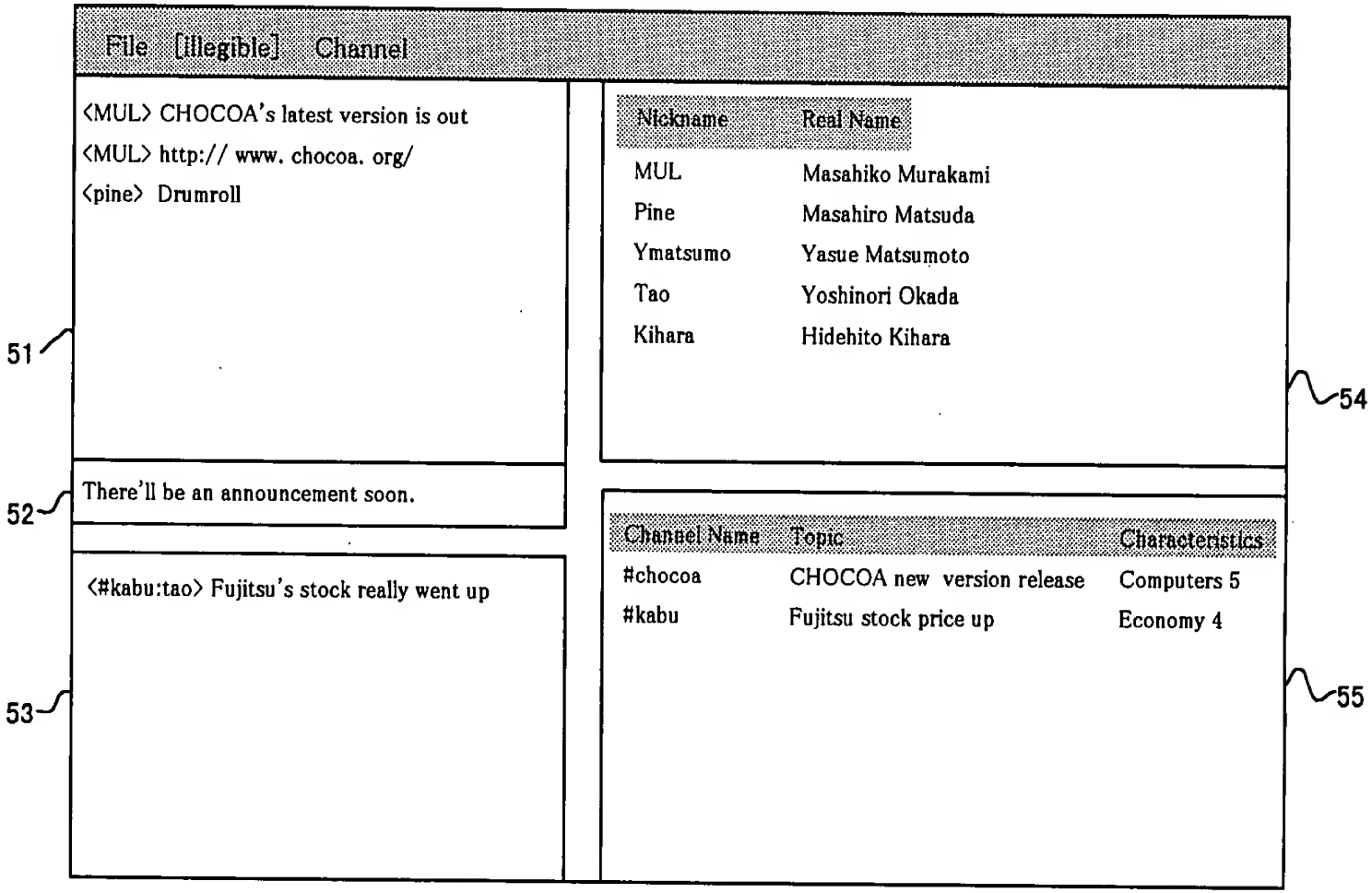
File [illegible] Channel
<MUL> CHOCOA's latest version is out
<MUL> http:// www. chocoa. org/
<pine> Drumroll
51
There'll be an announcement soon.
52
<#kabu:tao> Fujitsu's stock really went up
53
Nickname Real Name
MUL Masahiko Murakami
Pine Masahiro Matsuda
Ymatsumo Yasue Matsumoto
Tao Yoshinori Okada
Kihara Hidehito Kihara
54
Channel Name Topic Characteristics
#chocoa CHOCOA new version release Computers 5
#kabu Fujitsu stock price up Economy 4
55

Fig.5

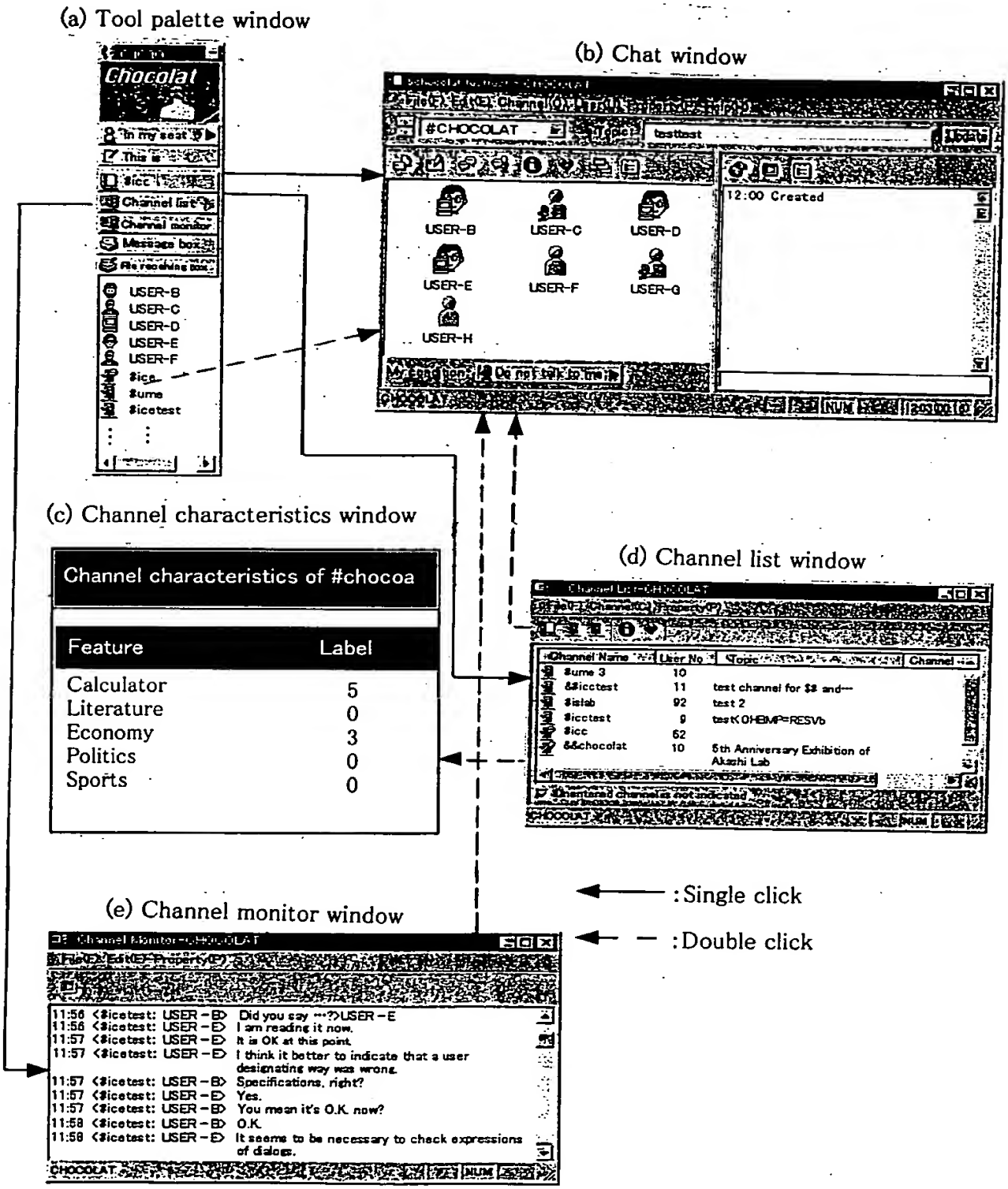
(a) Tool palette window
Chocolat
USER-B
USER-C
USER-D
USER-E
USER-F
$icc
$ume
$icctest
(b) Chat window
#CHOCOLAT
testtest
12:00 Created
USER-B
USER-C
USER-D
USER-E
USER-F
USER-G
USER-H
(c) Channel characteristics window
Channel characteristics of #chocoa
Feature
Label
Calculator 5
Literature 0
Economy 3
Politics 0
Sports 0
(d) Channel list window
Channel Name
User No
Topic
Channel
$ume 3 10
&$icctest 11 test channel for $$ and---
$islab 92 test 2
$icctest 9
$icc 62
&&chocolat 10 5th Anniversary Exhibition of Akashi Lab
(e) Channel monitor window
11:56 <$icctest: USER-B> Did you say ---?>USER-E
11:56 <$icctest: USER-E> I am reading it now.
11:57 <$icctest: USER-E> It is OK at this point.
11:57 <$icctest: USER-E> I think it better to indicate that a user designating way was wrong.
11:57 <$icctest: USER-B> Specifications, right?
11:57 <$icctest: USER-E> Yes.
11:57 <$icctest: USER-B> You mean it's O.K. now?
11:58 <$icctest: USER-B> O.K.
11:58 <$icctest: USER-E> It seems to be necessary to check expressions of dialogs.
: Single click
: Double click

Fig.6

0060605-060200

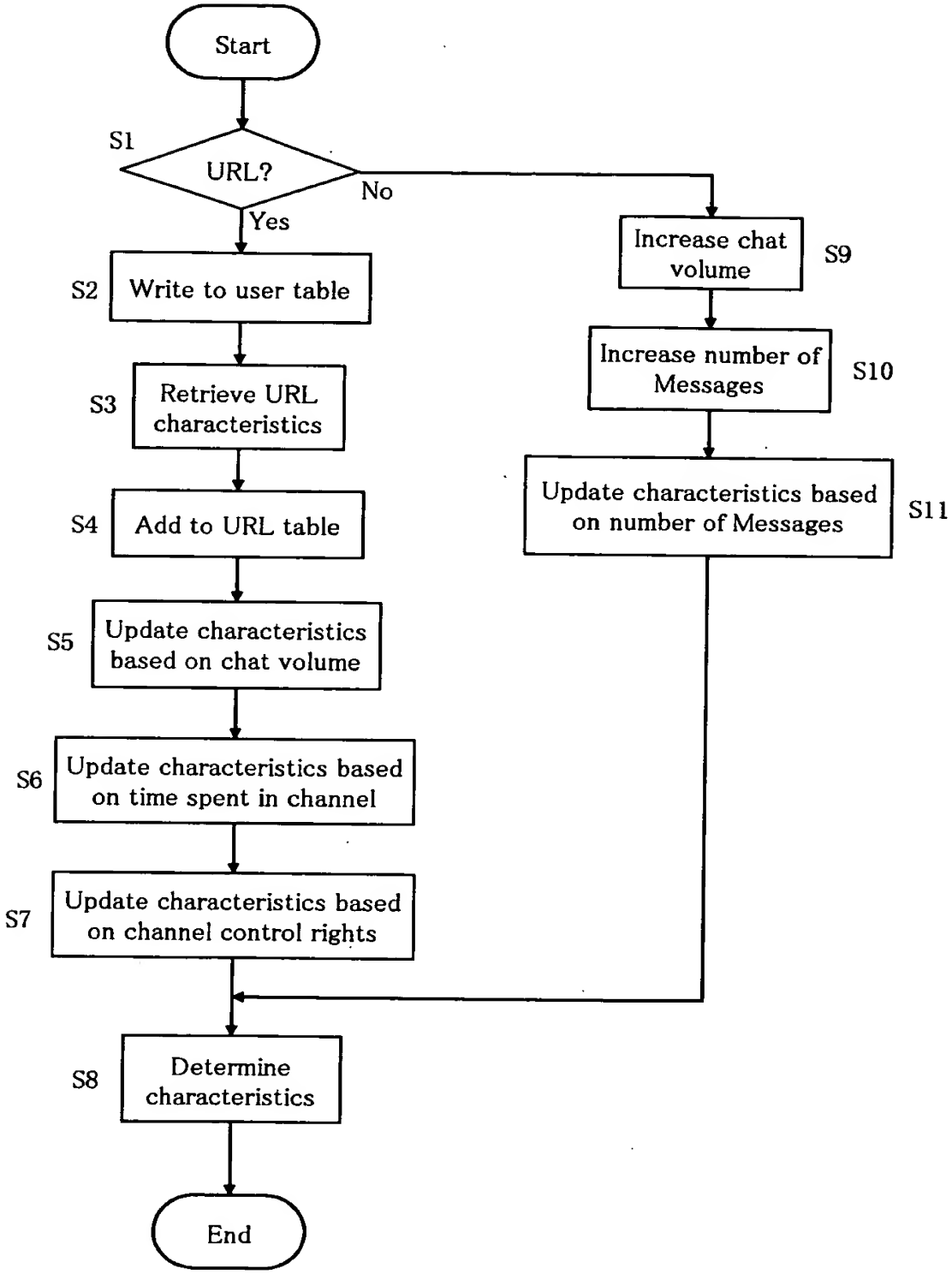

Fig.7

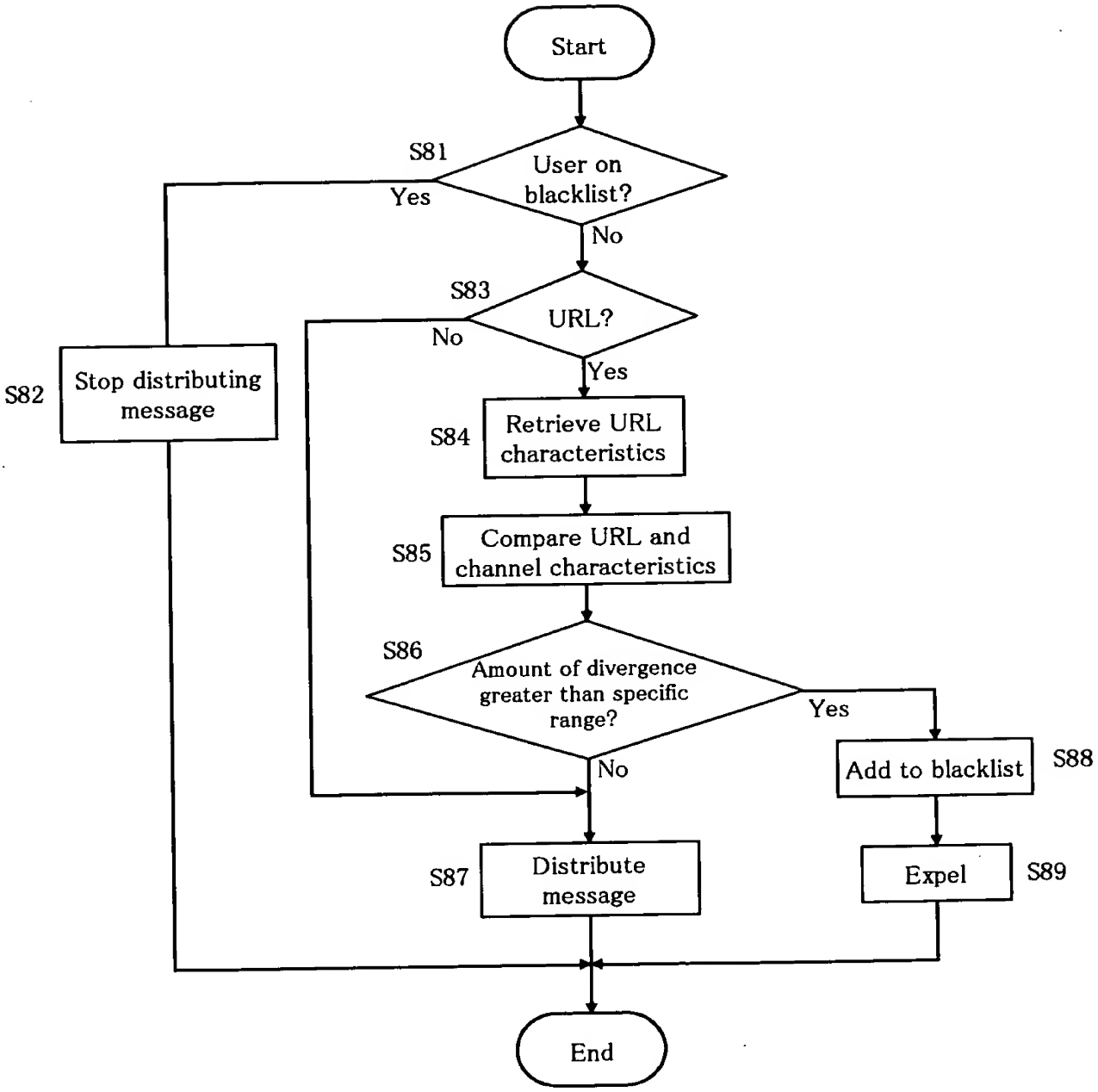
Start
S81
User on blacklist?
Yes
No
S83
URL?
No
Yes
S82
Stop distributing message
S84
Retrieve URL characteristics
S85
Compare URL and channel characteristics
S86
Amount of divergence greater than specific range?
Yes
No
Add to blacklist
S88
S87
Distribute message
Expel
S89
End

Fig.8